



Ontario Population Projections to 2015



Ontario

Ministry of
Treasury and
Economics

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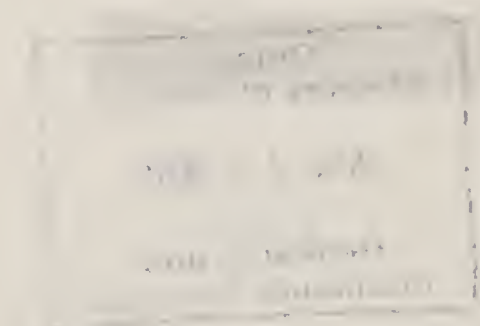


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Summary

This report presents population projections for Ontario, by age and sex, to the year 2015. The projections replace those published in the January 1989 *Demographic Bulletin*.

The base for the projections has been updated from June 1, 1986 to June 1, 1990. The starting point is the population by age and sex on the latter date, as estimated by Statistics Canada.

The fertility and mortality assumptions are similar to those used in the previous reference scenario. Minor technical changes have been made to the life expectancy assumptions, and the fertility assumption has been increased slightly for the first half of the 1990s to correspond to the greater than expected number of births in 1989 and 1990.

New assumptions have been developed about immigration. The immigration planning targets for the 1991-95 period announced by the federal government in October 1990 have been used for the initial years, and the previous assumptions about the longer term have been revised upward. Minor adjustments have been made to the assumptions about emigration and interprovincial migration.

Three population projections have been generated. The first projection is labelled the "reference" scenario, meaning it is considered the "most likely" one. The alternative projections use different international migration assumptions, but keep the reference assumptions about fertility, mortality and interprovincial migration.

Results from the Reference Scenario

- The population of Ontario is projected to grow from an estimated 9.7 million at June 1, 1990 to 13.1 million by June 1, 2015.
- The reference projection for 2011 is 796,000 higher than the reference projection for that year published in January 1989. This is principally due to the higher immigration assumptions.
- The number of births is currently peaking as the largest cohorts of baby boom women pass through their prime childbearing ages. Over the next fifteen years, the annual number of births will decline from 146,000 in 1990 to a low of 134,000 in 2005. Thereafter, the number of births will increase modestly as the children born during the baby boom echo reach the prime ages of family formation.
- Annual deaths will increase from about 72,000 in 1990 to 103,000 in 2015.

- Net migration will add 500,000 people to the Ontario population between June 1991 and June 1996, accounting for 59 per cent of the total population increase. Net migration over the subsequent five years will add about 420,000 people, representing a slightly smaller share of the increase. The previous projections assumed net migration at approximately half this amount over the same ten-year period, accounting for less than 50 per cent of total population growth.
- The population 65 and over will rise significantly from 1,132,000, or 11.6 per cent of the population, in 1990 to 2,169,000, or 16.5 per cent of the population, in 2015. The population 75 and over will more than double in the same time period, from 452,000, or 4.6 per cent of the population, to 957,000, or 7.3 per cent.
- By contrast, the number of children under 15 will rise only marginally, from 1,986,000 to 2,147,000, while their share of the population will decrease from 20.4 in 1990 to 16.4 per cent in 2015.
- The median age of Ontario's population will rise to 40.8 years in 2015, compared to 33.3 years in 1990. The median for women will climb from 34.2 years to 42.5 years, and the median for men will increase from 32.4 to 39.3 years.
- Extended indefinitely, the given assumptions yield an Ontario population of about 14.6 million by the year 2030.

Introduction

This report presents population projections for Ontario by age and sex to the year 2015. The projections replace those published in the January 1989 *Demographic Bulletin*.

The projections are being updated due to the immigration planning levels announced by the federal government in October 1990. The base year of the projections has been updated to take account of the latest available population estimates.

Three projections are given. The first or "reference" scenario is regarded as the most likely one, and is recommended for most purposes.

The report is presented in three sections. The first section discusses the assumptions used in these projections and how they differ from those used previously. The next section summarizes the projection results and compares them with those published earlier. The third section presents the outlook in detail.

The methodology used is a standard cohort survival technique. Readers interested in a description of this methodology are referred to the January 1989 *Demographic Bulletin*. That publication should also be consulted for a fuller discussion of the sensitivity of the projection results to changes in individual assumptions.

This report is based on census years. By convention, the population in a given year is defined as the population on June 1 of that year. "Migration" refers to both international and interprovincial population flows. "Immigration" refers to the formal landing of persons from other countries.

The projection results should not be interpreted as Ontario Government policy targets. They are forecasts of future population based on reasonable assumptions about trends in demographic variables.

Assumptions

The updated projections in this report use a new base year and slightly different demographic assumptions, in addition to new values for immigration.

The Base Year

The projections published in January 1989 started with the population counts, by age and sex, reported in the 1986 Census, and extended through to the year 2011. In aggregate, these projections have tracked very closely over the short term with Statistics Canada's postcensal estimates. For example, the projected population at June 1, 1990 was only 5,000 persons different from the estimated population for that date.

Some of the individual components of population change were projected less accurately. Births were underprojected in both 1989 and 1990, deaths were slightly underprojected, and net international and net interprovincial migration were subject to under- and overprojection, respectively.

The base year of the projections has been moved forward in order to minimize the discrepancies that would exist if the 1986-based projections were simply re-run with new immigration assumptions for the years after 1990. Accordingly, the new projections start with the Ontario population, by age and sex, as of June 1, 1990. This is the latest available postcensal estimate from Statistics Canada.

Fertility

The projections published in January 1989 used three assumptions for fertility. The high scenario had it rising linearly from 1.68 births per woman to the replacement level of 2.1 by the year 2011. The low scenario had it declining gradually to 1.3 births per woman by the end of the projection period. The reference scenario held the total fertility rate constant.

The projected population is sensitive to the choice of fertility assumptions. The 1989 *Demographic Bulletin* showed that, with mortality and net migration held constant at medium levels, the difference between the high and low fertility assumptions translates into a population difference of about 790,000 people by the year 2011.

Given the focus on migration, the current projections are based on a single fertility assumption. The long-term total fertility rate is assumed to remain constant at 1.68 births per woman; it has been stable at this level since the late 1970s. However, the rate is increased marginally — to 1.76 — through the first half of the present decade in recognition of the unexpectedly large number of births that occurred in 1989 and 1990. While the recent data on births implies an upward shift in fertility, there is no basis yet for believing that a significant or lasting trend is about to begin.

Mortality

Minor adjustments have been made to the short-term mortality assumptions in recognition that the number of deaths in 1990 was slightly higher than projected.

The long-term mortality assumption remains essentially unchanged. Male life expectancy at birth is assumed to rise from 74.1 years in 1990 to 78.3 years in 2015, while life expectancy for females increases from 79.5 years to 84.5 years. The gains occur at a diminishing rate through time, and are negligible by the end of the period. Consequently, the gains assumed for the twenty-five year period 1990-2015 are in fact less than the gains assumed in the previous twenty-five year projection period, 1986-2011.

Other things equal, mortality assumptions have a smaller effect than fertility on the total population. However, they have an important effect on the size of the elderly cohorts.

Immigration

The 1989 projections assumed that the number of immigrants to Ontario would decline from 93,000 in 1987 to 70,000 per year by 1995. This was based on Ontario receiving 50 per cent of assumed immigration to Canada of 140,000 annually, close to Canada's long-run historical average intake.

In fact, immigration has been much higher than expected, in part because announced federal planning targets were significantly exceeded in the last few years. Immigration to Ontario was nearly 113,000 in 1990, about 53 per cent of the Canadian total, and is expected to be about 110,000 in 1991.

In October 1990, the federal government announced new planning targets for the years 1991-95. The plan is for immigration to Canada to increase from a preliminary estimate of 200,000 in 1990 to 220,000 in 1991 and to 250,000 in each of the following four years. The federal government has declared that these targets will not be exceeded.

The projections in this report use the federal planning targets through to 1995. They assume that Ontario's share of immigrants is approximately 50 per cent.

There is no consensus among demographers on the likely or desirable course of immigration beyond 1995. In its recent report, titled *New Faces in the Crowd*, the Economic Council of Canada argued that annual immigration to Canada should be set lower than the federal planning targets in the short run, and then increased gradually to reach one per cent of the national population by 2015. This would mean an intake of approximately 340,000 in that year, compared to about 200,000 in 1990.

Statistics Canada has published population projections which assume that the 1992-95 target of 250,000 immigrants per year is met in every year through 2015. This scenario, like the Economic Council recommendation, can be defended in terms of the large numbers of refugees and Third World applicants aspiring to enter countries like Canada, and in terms of Canada's need for young workers. As well, it reflects the follow-on nature of immigration under the family class and assisted relative categories.

On the other hand, some authorities seem to support a less dramatic expansion of immigration volumes. For example, Health and Welfare Canada's *Review of Demography and its Implications for Economic and Social Policy* (1989) was widely interpreted as leaning to the view that neither demography nor economics justified a substantial increase in immigration.

A further complicating factor is the Canada-Quebec Accord on Immigration, which commits the federal and Quebec governments to work to increase Quebec's share of Canadian immigrants. Ontario's share could thereby be depressed below its historical average of 50 per cent. The demographic impact on Ontario would depend on how successful Quebec becomes in retaining its immigrants.

The reference scenario in this report assumes that there will be a reduction in immigration after 1995, as the high immigration policy of the 1985-95 period is assessed. The annual number falls from 125,000 to 85,000, the level of immigration in 1987, about halfway through the economic boom. For the period beyond 2000, immigration to Ontario is set at an arbitrary level equal to about 0.75 per cent of the Ontario population in each year. This generates, for the longer term, annual immigration to Ontario that rises from 85,000 to 99,000, compared to the constant 70,000 assumed in the January 1989 projections.

Since the mid-1980s, the number of refugee claimants entering Canada has increased dramatically, resulting in a large backlog of people awaiting determination of their status. These individuals are counted as immigrants only when their cases are decided favourably and they are formally granted landed status. While the federal immigration plan for 1991-95 includes estimates of landings for refugee claimants who arrive after January 1, 1989, no allowance has been made for those who entered prior to that date. The approximately 56,000 pre-1989 refugee claimants in Ontario, most of whose claims have not yet been determined, are not included in these projections.

Emigration

Over the long term, emigration levels are assumed to average about 0.24 per cent of the population, with annual values increasing from 26,000 to 31,000.

Interprovincial Migration

Net interprovincial migration had already started to decline from historically high levels when the 1989 projections were being developed. It was assumed to fall off slowly to the mid-1990s and then fluctuate narrowly around the long-run historical annual average net inflow of 10,000.

In fact, net interprovincial migration declined sharply to a loss of 7,000 in 1989. This unexpectedly rapid decrease tended to offset the unexpectedly rapid increase in immigration, with the result that the forecast for overall net migration remained on track.

Ontario's net interprovincial migration is expected to return to a net positive level of 10,000, near its long-term average, by the middle of the decade. A key consideration is the strength of the Ontario economy relative to the economies of other provinces.

Age Structure Assumptions

The age-specific fertility rates have been tilted very slightly to further reflect the trend toward childbearing by older women. The age and sex profiles associated with each migration stream have been updated to reflect the latest available information. The updated patterns are assumed to remain constant to the end of the forecast period.

Alternative Scenarios

Two alternative scenarios are presented, with international migration assumptions that are lower and higher than those in the reference scenario. These alternative scenarios use the same fertility, mortality, and interprovincial migration assumptions as the reference projection. Their purpose is to illustrate the effect of varying immigration levels over a reasonable range. They are best interpreted in this way, and not as confidence intervals around the reference projection.

All three scenarios conform to the current federal immigration planning targets and use the same immigration assumption for the years to 1995. The second scenario assumes that after 1995 immigration to Ontario gradually returns to the historical average level of 70,000 per year. In contrast, the third scenario holds immigration constant at the 125,000 level reached under current immigration policy to the end of the projection period.

Projection Results

While the new reference projection remains broadly consistent with that of January 1989, it differs in some important respects.

Population

The Ontario population is projected to reach 13.1 million by the year 2015. This represents a gain of 3.4 million people over the next twenty-five years, an increase approaching the current population of the Greater Toronto Area (4.0 million).

In 2011, the last year of the previous projections, the population will be 12.7 million, compared to the previous forecast of 11.9 million. The increase results directly from the higher immigration assumptions, and indirectly from the effect of the larger population on the number of births.

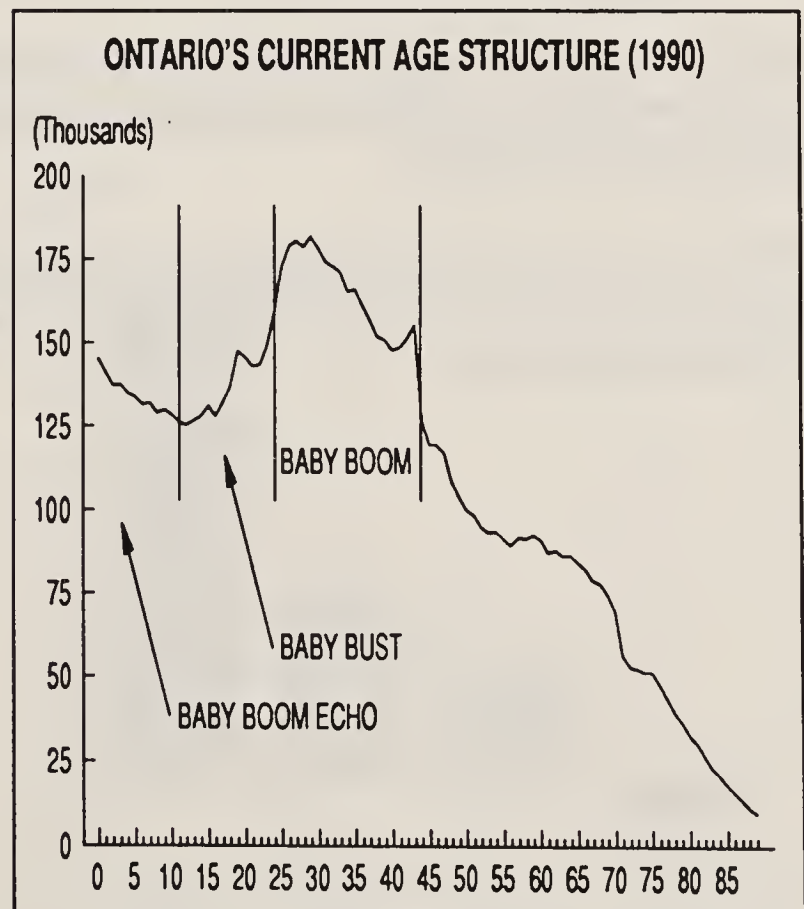
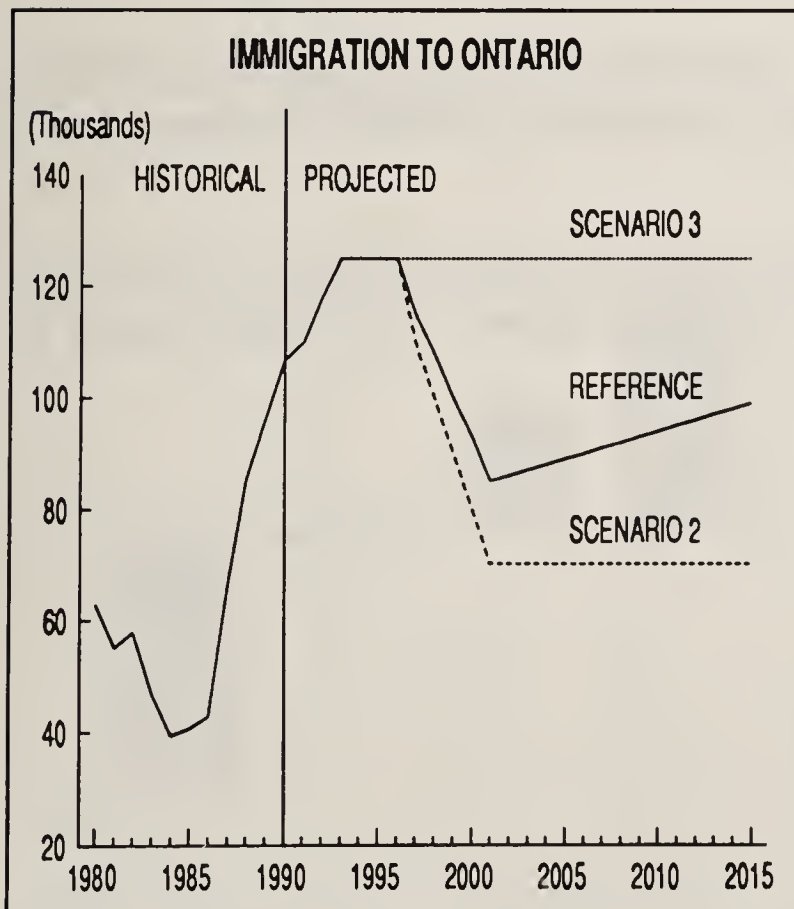
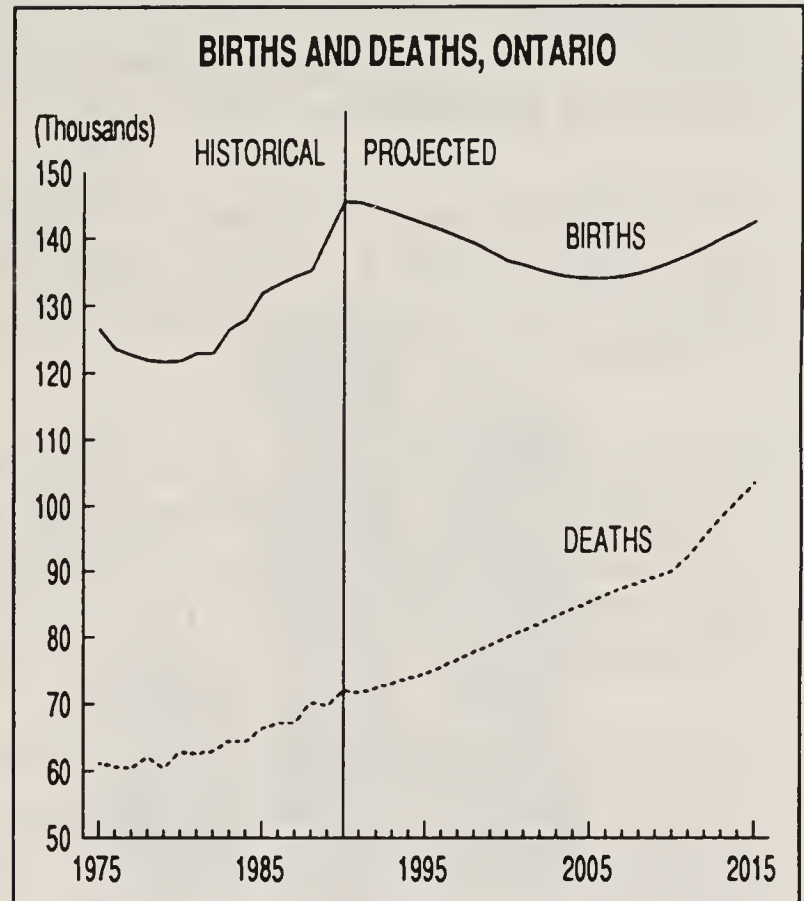
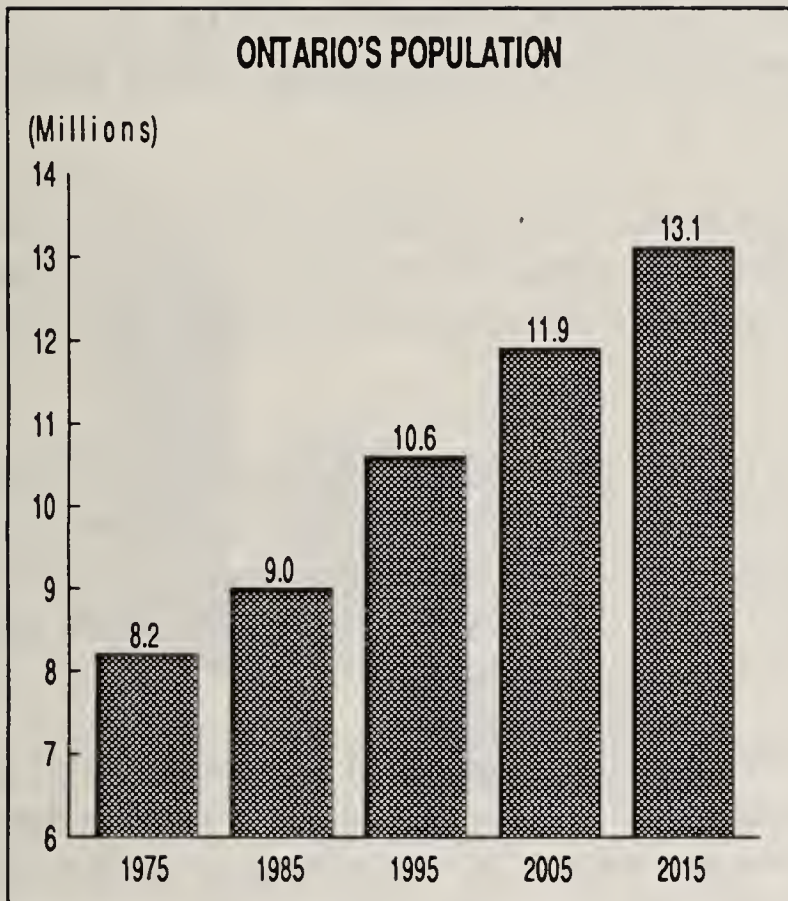
The rate of annual population increase continues at about 1.7 per cent into the mid-1990s. The previous projections saw the annual increase falling to 1.0 per cent by 1997, and to about 0.7 per cent by 2011. In the current projections, the annual increase does not fall to 1.0 per cent until 2006; by the end of the forecast period, it is down to 0.9 per cent.

The Components of Change

The projection shows the number of births peaking in 1990 as the largest cohorts of baby boom women neared completion of their highest fertility years. The number of births through the early 1990s will be slightly higher than previously projected, reflecting the minor adjustments in the fertility assumptions explained above. Annual births fall until 2005 as the smaller cohorts of the baby bust generation come into their high fertility years. Births do not fall quite as much as previously forecast, in part because higher immigration is producing a larger population of females in the childbearing age groups. By 2015, the annual number of births will almost return to its current level.

The number of deaths increases from about 72,000 in 1990 to a projected 103,000 by 2015. The annual increments get larger after 2011, when the first baby boomers reach age 65 and begin to confront sharply rising age-specific mortality rates.

Between June 1991 and June 1996, the Ontario population will increase by about 847,000 people; net international and interprovincial migration will add 499,000 people, accounting for 59 per cent of the change. By the end of the forecast period, natural increase will have become less important, with the result that the share of population growth accounted for by net migration will have risen to about 65 per cent.



Age Structure

The median age of Ontario's population is projected to rise from 33.3 years in 1990 to 40.8 years in 2015. The median age for males will increase from 32.4 to 39.3, and the median age for females will increase from 34.2 to 42.5.

The population aged 0-14 increases over the forecast period from 1,986,000 to 2,147,000. This is an increase of only 8.1 per cent, over a twenty-five year period in which the total population increases by 34.7 per cent. The share of this age group accordingly falls — from 20.4 per cent in 1990 to 16.4 per cent in 2015.

The working-age population, aged 15-64, increases by 33.0 per cent, from 6,625,000 in 1990 to 8,811,000 by 2015. Within this age group, the most rapid increase is among workers over 45. The first baby boomers — those born in 1946 — turn 45 this year, and the last members of this "big generation" — those born in 1965 — reach 45 in 2010. The 45-64 share of the working age population increases from 29.3 per cent in 1990 to 41.4 per cent by 2015.

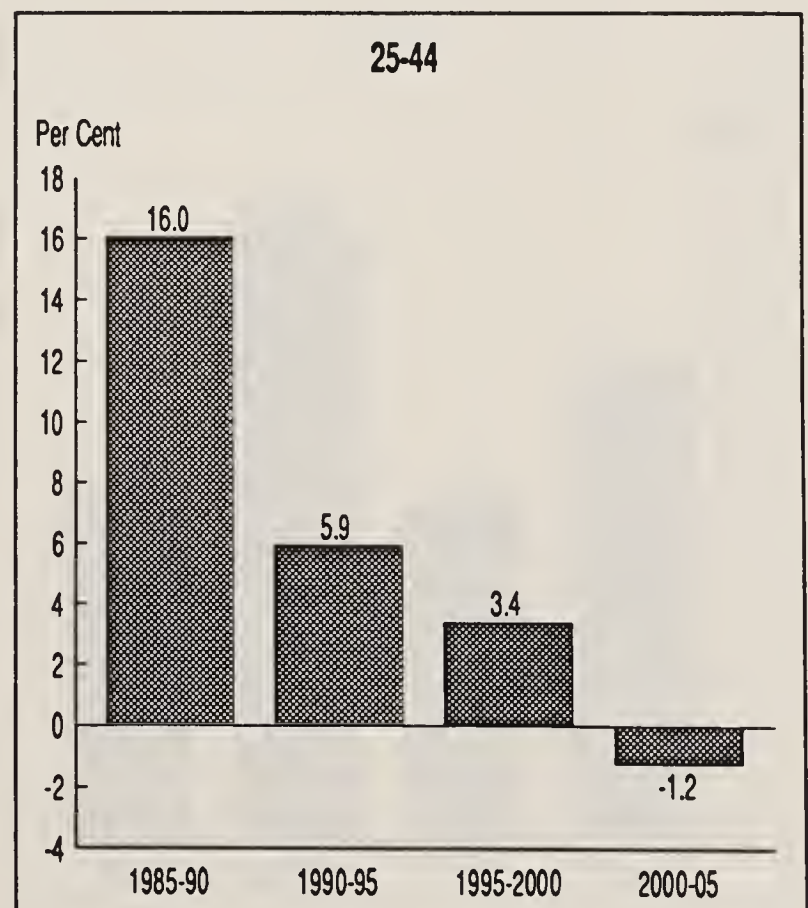
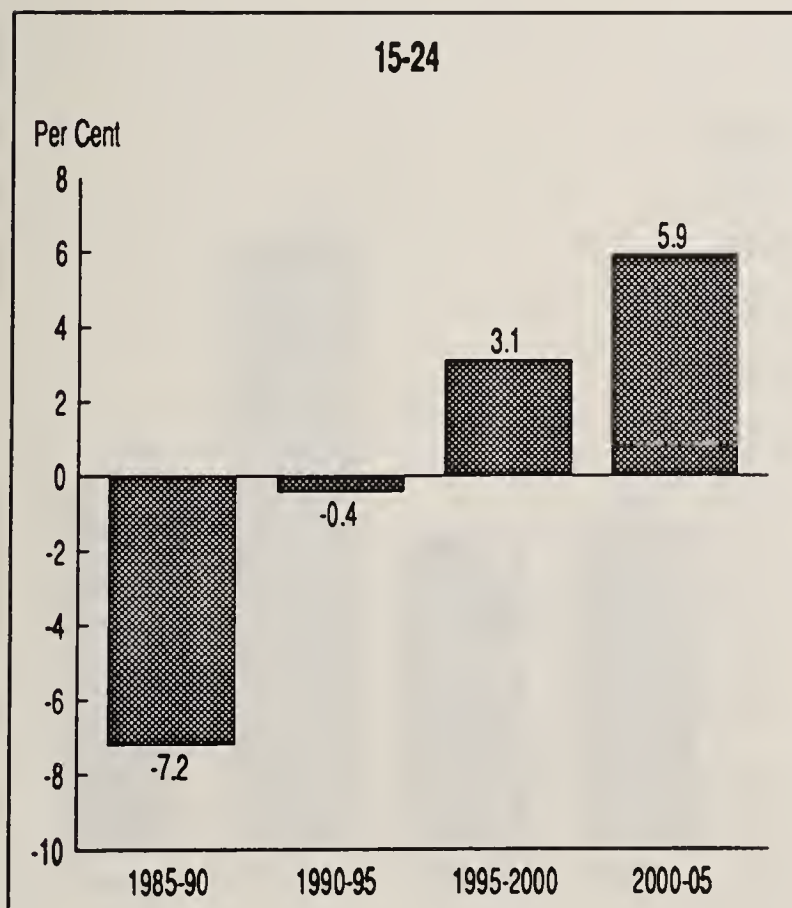
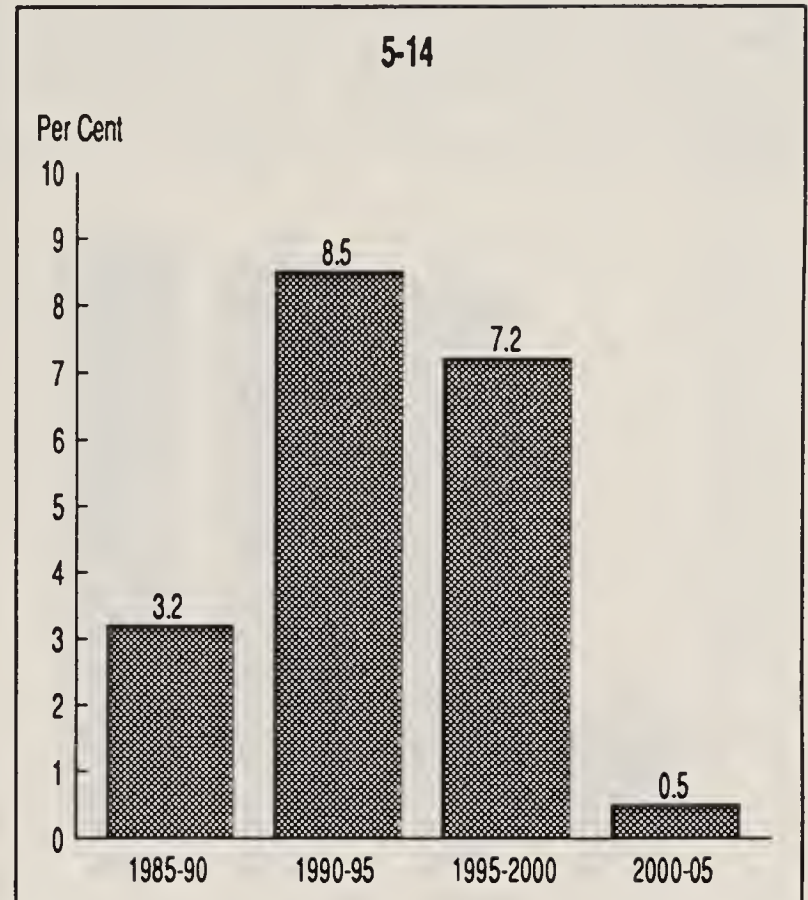
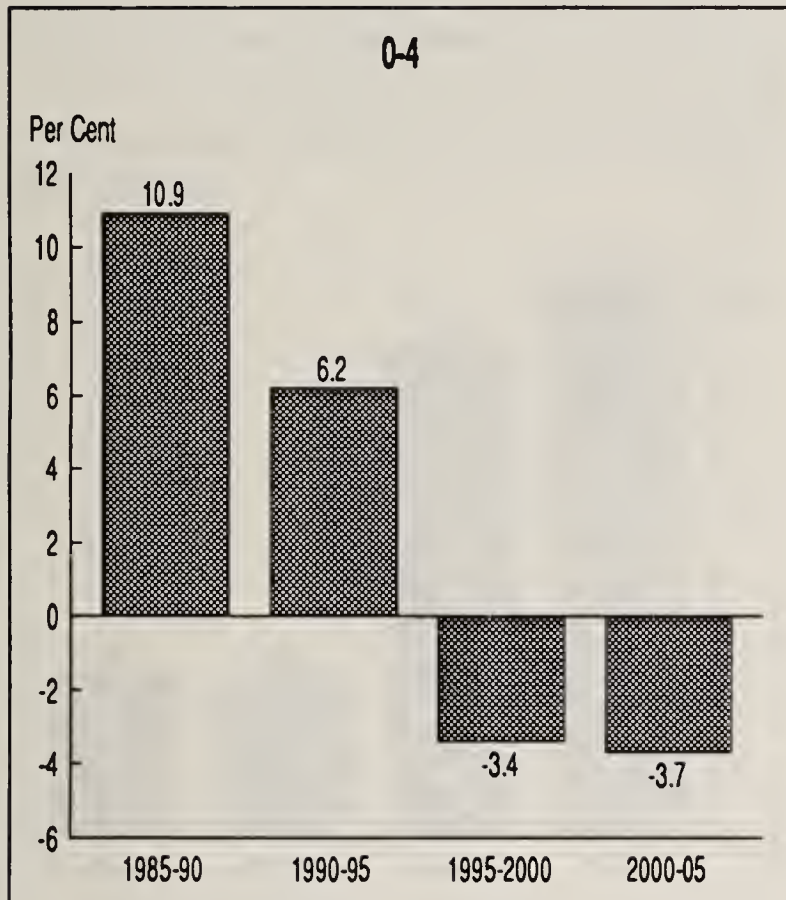
The over-65 population grows from 1,132,000 in 1990 to 2,169,000 in 2015, an increase of 91.6 per cent. The elderly share of the population increases from 11.6 per cent today to 16.5 per cent by 2015. The number of "young elderly" — those between 65 and 74 — will increase by 78.1 per cent, the number of "mid elderly" — those between 75 and 84 — will increase by 90.9 per cent, and the number of "old elderly" — those 85 and over — will increase by 185 per cent.

The Alternative Scenarios

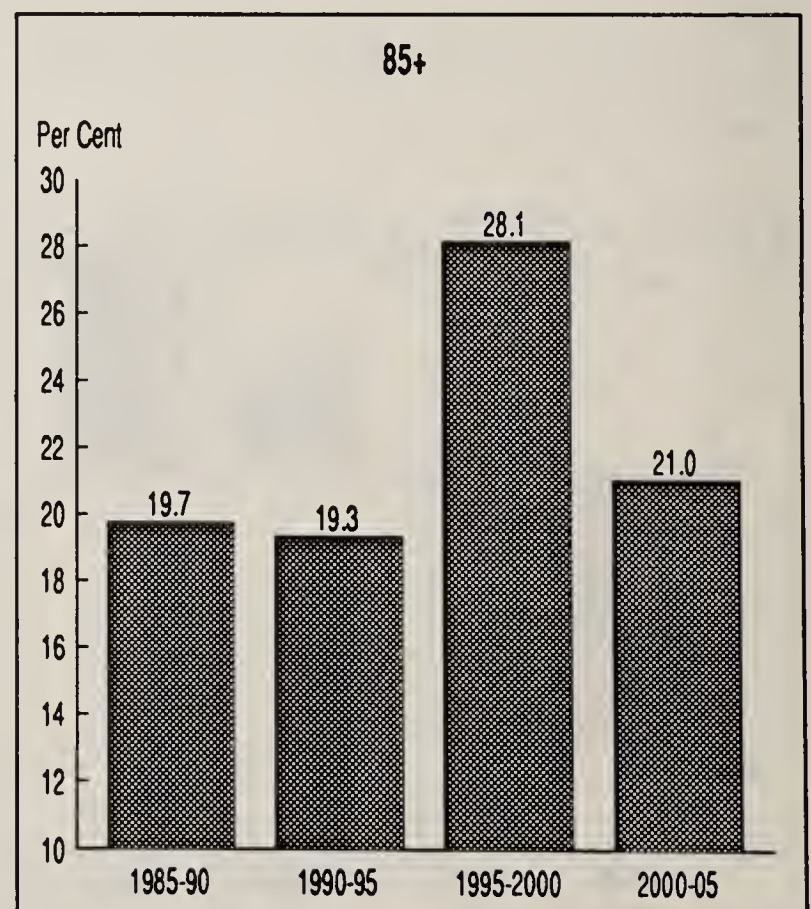
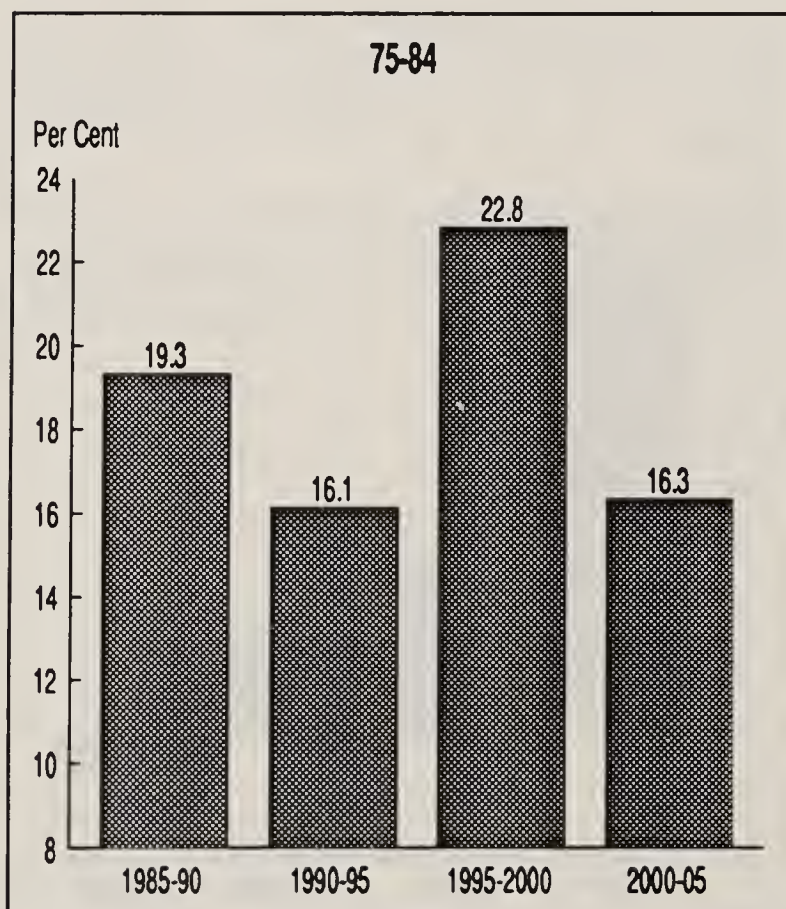
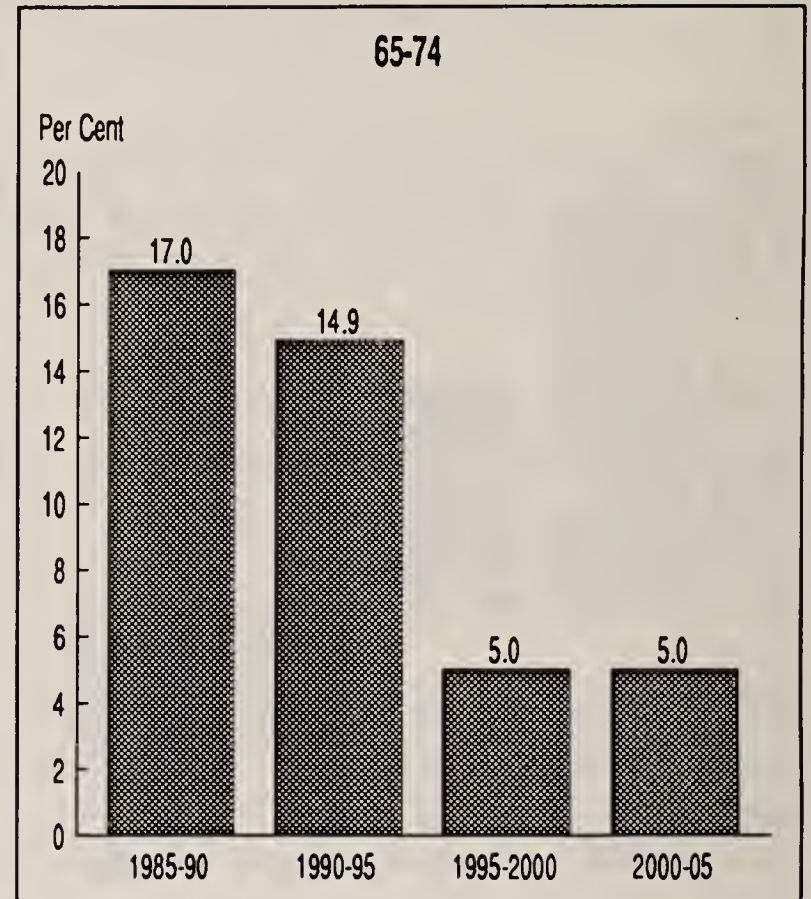
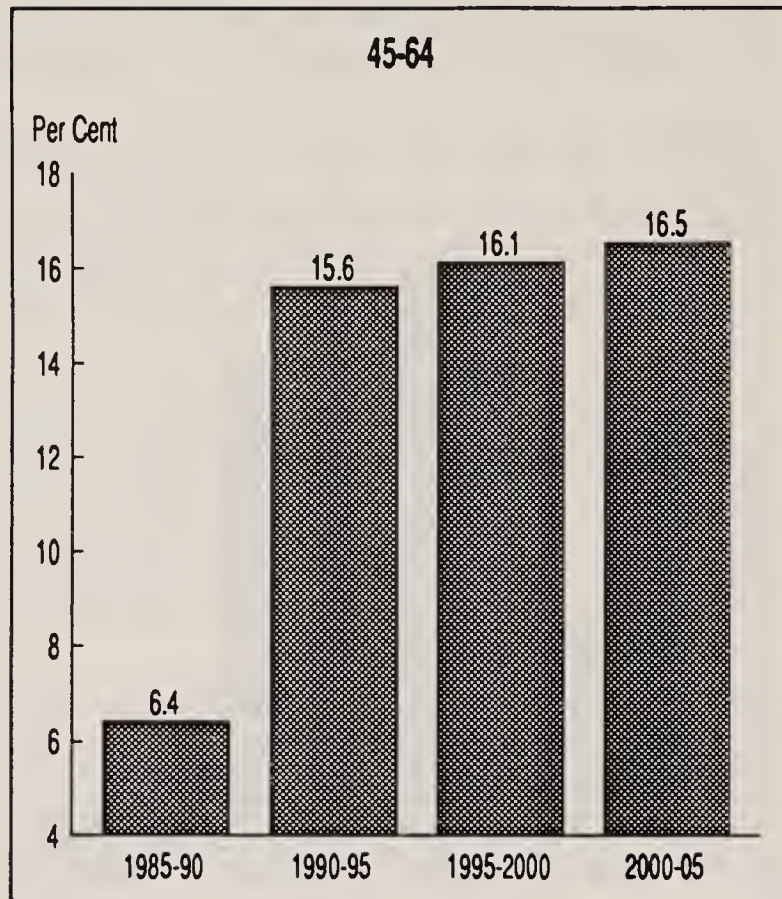
Other things equal, if annual immigration levels to Ontario settle at an average of about 70,000 in the long run, the Ontario population would reach 12.8 million in 2015, 343,000 lower than in the reference scenario.

On the other hand, if immigration to Ontario remains high throughout the projection period at an annual level of 125,000, the population would reach 13.7 million, 588,000 more than in the reference projection.

GROWTH OF SELECTED AGE GROUPS (Reference Scenario)



GROWTH OF SELECTED AGE GROUPS (Reference Scenario)



Summary Tables

The tables on the following pages contain details on both the assumptions and the projection results. For certain purposes, some users may require the full output — population by single years of age, by gender, and by each future year. This information can be obtained on diskette by contacting the Ministry of Treasury and Economics at the address on the inside back cover of this report.

**ONTARIO POPULATION PROJECTIONS
1990 - 2015
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ONTARIO POPULATION AND SELECTED CHARACTERISTICS, 1990-2015**Reference Scenario****(000s)**

Year	Births	Deaths	Net External Migration	Total Population	Annual Increase (%)	Median Age (Years)	0-14 %	Age Group 15-64 %	65+ %
1990				9,743.3		33.3	20.4	68.0	11.6
1991	145.5	71.6	74.0	9,890.9	1.51	33.6	20.4	67.8	11.8
1992	144.8	72.3	86.0	10,049.5	1.60	33.9	20.4	67.7	12.0
1993	144.1	72.9	97.0	10,217.7	1.67	34.2	20.4	67.5	12.1
1994	143.3	73.7	102.0	10,389.4	1.68	34.5	20.3	67.4	12.2
1995	142.4	74.4	107.0	10,564.6	1.69	34.9	20.2	67.4	12.4
1996	141.4	75.5	107.0	10,737.6	1.64	35.2	20.1	67.3	12.5
1997	140.4	76.6	98.0	10,899.6	1.51	35.5	20.0	67.3	12.7
1998	139.2	77.7	91.0	11,052.2	1.40	35.9	19.9	67.3	12.8
1999	138.0	78.8	83.0	11,194.4	1.29	36.2	19.7	67.4	12.9
2000	136.6	79.9	77.0	11,328.1	1.19	36.6	19.5	67.4	13.0
2001	135.9	81.0	69.0	11,452.0	1.09	37.0	19.3	67.5	13.2
2002	135.1	82.0	70.0	11,575.1	1.07	37.4	19.1	67.6	13.3
2003	134.5	83.1	70.0	11,696.5	1.05	37.7	18.9	67.7	13.4
2004	134.1	84.2	71.0	11,817.4	1.03	38.0	18.7	67.8	13.5
2005	133.9	85.2	71.0	11,937.1	1.01	38.3	18.4	68.0	13.7
2006	133.9	86.3	72.0	12,056.7	1.00	38.6	18.1	68.1	13.8
2007	134.2	87.2	72.0	12,175.8	0.99	38.9	17.8	68.2	14.0
2008	134.7	88.1	73.0	12,295.5	0.98	39.2	17.6	68.2	14.2
2009	135.5	88.8	74.0	12,416.1	0.98	39.5	17.3	68.2	14.5
2010	136.4	89.8	74.0	12,536.7	0.97	39.7	17.1	68.2	14.7
2011	137.4	92.7	75.0	12,656.5	0.96	40.0	16.9	68.1	15.0
2012	138.6	95.6	76.0	12,775.5	0.94	40.3	16.7	67.9	15.4
2013	139.8	98.4	76.0	12,893.1	0.92	40.5	16.6	67.6	15.8
2014	141.1	100.9	77.0	13,010.4	0.91	40.7	16.5	67.4	16.2
2015	142.4	103.4	78.0	13,127.5	0.90	40.8	16.4	67.1	16.5

Source: Statistics Canada and Ministry of Treasury and Economics.

Note: Figures may not add to totals due to rounding.

POPULATION OF ONTARIO BY FIVE-YEAR AGE GROUPS AND SEX, SELECTED YEARS, 1990-2015 (000s)

Reference Scenario

Age	1990			1995			2000			2005			2010			2015		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4	356.0	339.1	695.1	377.3	360.7	738.0	364.4	348.4	712.8	351.1	335.6	686.7	352.3	336.8	689.1	365.4	349.4	714.7
5-9	336.4	320.1	656.5	366.6	348.8	715.4	387.7	370.5	758.1	372.5	356.1	728.6	359.6	343.6	703.2	361.2	345.1	706.3
10-14	324.8	309.4	634.2	351.3	334.0	685.4	380.8	362.1	742.9	398.8	380.8	779.6	384.1	366.8	750.9	371.6	354.8	726.4
15-19	346.6	328.4	675.0	344.3	329.0	673.4	369.7	352.5	722.2	395.2	376.6	771.8	413.8	396.0	809.8	399.9	382.7	782.6
20-24	376.6	363.9	740.5	375.2	361.9	737.1	372.1	360.6	732.7	391.8	377.7	769.5	418.6	403.1	821.7	438.5	423.8	862.3
25-29	445.8	445.9	891.7	412.7	400.6	813.3	411.0	398.0	809.0	400.1	388.5	788.6	421.3	406.9	828.2	449.6	433.7	883.3
30-34	426.9	434.3	861.2	475.3	473.2	948.4	443.0	428.6	871.6	433.9	419.1	852.9	424.1	410.5	834.6	446.4	429.9	876.3
35-39	386.1	400.3	786.4	443.5	451.7	895.2	492.6	491.2	983.8	455.6	442.0	897.6	447.0	433.1	880.1	438.0	425.2	863.2
40-44	361.5	367.7	729.2	394.2	410.4	804.6	452.0	462.3	914.3	498.0	498.9	996.9	461.6	450.4	912.0	453.6	442.0	895.6
45-49	284.0	284.0	568.0	364.2	373.1	737.3	397.3	416.1	813.4	453.3	466.2	919.5	499.8	503.6	1,003.3	464.1	455.8	919.9
50-54	238.7	240.7	479.4	283.1	288.7	571.8	362.9	377.0	739.9	395.2	418.3	813.6	451.9	469.2	921.1	498.7	507.1	1,005.9
55-59	226.2	229.7	455.9	235.9	245.8	481.8	279.7	292.9	572.6	357.4	378.4	735.8	390.8	420.4	811.2	447.5	471.7	919.2
60-64	211.5	226.7	438.2	219.8	233.5	453.3	229.7	249.6	479.3	271.1	294.5	565.6	347.0	380.1	727.2	380.3	422.7	803.0
65-69	180.4	217.1	397.5	196.4	223.0	419.4	205.0	230.6	435.6	214.3	245.7	460.0	254.4	290.8	545.2	325.8	375.2	701.0
70-74	122.7	160.1	282.8	157.9	204.6	362.5	173.9	211.3	385.2	183.1	218.7	401.8	194.2	234.8	429.0	231.8	278.6	510.4
75-79	89.0	128.6	217.6	97.1	143.4	240.5	127.0	184.7	311.6	141.7	192.4	334.1	151.5	201.9	353.4	162.4	218.1	380.5
80-84	47.8	85.3	133.1	60.6	106.2	166.8	67.0	121.6	188.6	88.3	159.3	247.5	100.2	170.5	270.7	107.9	181.2	289.1
85-89	21.0	47.6	68.6	24.9	59.6	84.5	32.5	78.4	110.9	36.6	93.7	130.3	49.2	128.5	177.6	56.4	140.7	197.2
90+	7.4	25.0	32.4	7.7	28.3	36.0	8.7	34.9	43.6	10.8	45.7	56.5	12.0	56.3	68.3	15.4	75.2	90.6
TOTAL	4,789.4	4,953.9	9,743.3	5,188.0	5,376.5	10,564.6	5,557.0	5,771.2	11,328.1	5,848.8	6,088.3	11,937.1	6,133.4	6,403.3	12,536.7	6,414.6	6,712.9	13,127.5

Source: Statistics Canada and Ministry of Treasury and Economics.

Note: Figures may not add to totals due to rounding.

CHANGE IN ONTARIO POPULATION BY FIVE-YEAR AGE GROUPS AND SEX, SELECTED YEARS, 1990-2015 (Per Cent)

Reference Scenario

Age	1990-95			1995-2000			2000-05			2005-10			2010-15		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4	5.98	6.38	6.17	-3.42	-3.41	-3.41	-3.65	-3.67	-3.66	0.35	0.35	0.35	3.72	3.72	3.72
5-9	8.96	8.96	8.96	5.75	6.21	5.98	-3.90	-3.88	-3.89	-3.47	-3.51	-3.49	0.45	0.45	0.45
10-14	8.17	7.96	8.07	8.40	8.40	8.40	4.72	5.18	4.94	-3.69	-3.69	-3.69	-3.24	-3.28	-3.26
15-19	-0.66	0.20	-0.24	7.38	7.12	7.25	6.89	6.85	6.87	4.71	5.15	4.93	-3.37	-3.36	-3.36
20-24	-0.37	-0.54	-0.45	-0.83	-0.35	-0.60	5.30	4.73	5.02	6.83	6.72	6.78	4.76	5.14	4.95
25-29	-7.43	-10.16	-8.80	-0.41	-0.64	-0.52	-2.64	-2.39	-2.52	5.29	4.73	5.01	6.71	6.59	6.65
30-34	11.33	8.95	10.13	-6.79	-9.41	-8.10	-2.06	-2.23	-2.14	-2.25	-2.05	-2.15	5.25	4.73	4.99
35-39	14.86	12.85	13.84	11.08	8.73	9.89	-7.52	-10.01	-8.76	-1.87	-2.02	-1.94	-2.03	-1.81	-1.92
40-44	9.04	11.62	10.34	14.66	12.64	13.63	10.19	7.92	9.04	-7.31	-9.72	-8.51	-1.75	-1.86	-1.80
45-49	28.25	31.37	29.81	9.08	11.51	10.31	14.10	12.05	13.05	10.24	8.01	9.11	-7.14	-9.49	-8.32
50-54	18.61	19.95	19.28	28.18	30.58	29.39	8.91	10.96	9.95	14.35	12.17	13.23	10.35	8.08	9.20
55-59	4.31	7.01	5.67	18.56	19.15	18.86	27.75	29.20	28.49	9.35	11.11	10.26	14.51	12.18	13.30
60-64	3.93	2.99	3.44	4.49	6.92	5.74	18.04	17.98	18.01	28.00	29.08	28.56	9.60	11.19	10.43
65-69	8.87	2.71	5.50	4.39	3.41	3.87	4.52	6.54	5.59	18.72	18.39	18.54	28.08	29.00	28.57
70-74	28.68	27.78	28.17	10.17	3.28	6.28	5.26	3.53	4.31	6.06	7.34	6.76	19.38	18.65	18.98
75-79	9.08	11.50	10.51	30.79	28.79	29.60	11.57	4.19	7.20	6.94	4.94	5.79	7.19	8.03	7.67
80-84	26.78	24.54	25.34	10.51	14.48	13.04	31.77	30.99	31.27	13.50	7.03	9.34	7.71	6.29	6.81
85-89	18.61	25.15	23.15	30.43	31.57	31.23	12.69	19.60	17.57	34.28	37.06	36.28	14.81	9.54	11.00
90+	4.59	13.10	11.15	12.33	23.39	21.01	23.73	31.00	29.55	11.57	23.17	20.96	28.45	33.56	32.67
TOTAL	8.32	8.53	8.43	7.11	7.34	7.23	5.25	5.50	5.38	4.87	5.17	5.02	4.58	4.83	4.71

Source: Statistics Canada and Ministry of Treasury and Economics.

ONTARIO POPULATION PROJECTIONS UNDER THREE SCENARIOS, 1990-2015
(000s)

Year	Reference Scenario	Scenario 2	Scenario 3
1990	9,743.3	9,743.3	9,743.3
1991	9,890.9	9,890.9	9,890.9
1992	10,049.5	10,049.5	10,049.5
1993	10,217.7	10,217.7	10,217.7
1994	10,389.4	10,389.4	10,389.4
1995	10,564.6	10,564.6	10,564.6
1996	10,737.6	10,737.6	10,737.6
1997	10,899.6	10,896.5	10,904.6
1998	11,052.2	11,043.1	11,069.3
1999	11,194.4	11,177.1	11,232.0
2000	11,328.1	11,298.4	11,392.5
2001	11,452.0	11,407.8	11,551.8
2002	11,575.1	11,514.9	11,709.9
2003	11,696.5	11,620.2	11,867.0
2004	11,817.4	11,723.6	12,023.2
2005	11,937.1	11,825.5	12,178.8
2006	12,056.7	11,926.0	12,334.0
2007	12,175.8	12,025.6	12,489.1
2008	12,295.5	12,124.7	12,644.3
2009	12,416.1	12,223.3	12,800.0
2010	12,536.7	12,321.6	12,956.0
2011	12,656.5	12,417.8	13,110.6
2012	12,775.5	12,512.0	13,263.6
2013	12,893.1	12,604.4	13,415.3
2014	13,010.4	12,695.4	13,566.0
2015	13,127.5	12,784.8	13,715.6

Source: Statistics Canada and Ministry of Treasury and Economics.

Note: Reference Scenario assumes immigration rises from 85,000 in 2000 to 99,000 by 2015.
 Scenario 2 assumes immigration at historical average annual level of 70,000 beginning in 2000.
 Scenario 3 assumes constant immigration of 125,000 per year.

CHARACTERISTICS OF ONTARIO POPULATION IN 2015 UNDER THREE SCENARIOS
(000s)

	Reference Scenario	Scenario 2	Scenario 3
TOTAL POPULATION	13,127.5	12,784.8	13,715.6
Male	6,414.6	6,249.8	6,698.6
Female	6,712.9	6,535.1	7,017.0
% Male	48.9	48.9	48.8
% Female	51.1	51.1	51.2
MEDIAN AGE (Years)	40.8	41.3	40.2
Male	39.3	39.7	38.7
Female	42.5	42.9	41.8
AGE GROUPS			
0-14	2,147.5	2,073.7	2,280.1
Male	1,098.2	1,060.4	1,166.1
Female	1,049.2	1,013.2	1,114.1
15-24	1,644.9	1,597.2	1,717.7
Male	838.4	814.6	875.0
Female	806.5	782.6	842.7
25-44	3,518.3	3,377.1	3,762.6
Male	1,787.5	1,717.2	1,909.0
Female	1,730.8	1,659.9	1,853.6
45-64	3,647.9	3,597.6	3,735.8
Male	1,790.7	1,768.8	1,830.0
Female	1,857.3	1,828.7	1,905.8
65-74	1,211.4	1,193.3	1,241.8
Male	557.7	550.5	569.4
Female	653.7	642.8	672.4
75+	957.4	946.0	977.7
Male	342.1	338.2	349.1
Female	615.3	607.8	628.6
POPULATION COMPONENTS			
Births	142.4	136.8	151.8
Deaths	103.4	102.3	105.4
Natural Increase	39.1	34.5	46.5
Net External Migration	78.0	55.0	103.0
Total Increase	117.1	89.5	149.6
Net Migration/ Total Increase (%)	66.6	61.4	68.9
AGE GROUP SHARE (%)			
0-14	16.4	16.2	16.6
15-24	12.5	12.5	12.5
25-44	26.8	26.4	27.4
45-64	27.8	28.1	27.2
65+	16.5	16.7	16.2
75+	7.3	7.4	7.1
DEPENDENCY RATIOS			
Youth	31.2	31.1	31.6
Elderly	26.0	26.3	25.4
Total	57.2	57.4	57.0

Source: Ministry of Treasury and Economics.

Notes: 1. Youth and elderly dependency ratios are the ratios of those 0-17 and 65+ to the working age population (18-64). The total dependency ratio is the ratio of youth plus the elderly to the working age population.
2. Figures may not add to totals due to rounding.

ONTARIO POPULATION AND SELECTED CHARACTERISTICS, 1990-2015**Scenario 2 (Historical Average Annual Immigration)****(000s)**

Year	Births	Deaths	Net External Migration	Total Population	Annual Increase (%)	Median Age (Years)	Age Group 0-14 %	Age Group 15-64 %	Age Group 65+ %
1990				9,743.3		33.3	20.4	68.0	11.6
1991	145.5	71.6	74.0	9,890.9	1.51	33.6	20.4	67.8	11.8
1992	144.8	72.3	86.0	10,049.5	1.60	33.9	20.4	67.7	12.0
1993	144.1	72.9	97.0	10,217.7	1.67	34.2	20.4	67.5	12.1
1994	143.3	73.7	102.0	10,389.4	1.68	34.5	20.3	67.4	12.2
1995	142.4	74.4	107.0	10,564.6	1.69	34.9	20.2	67.4	12.4
1996	141.4	75.5	107.0	10,737.6	1.64	35.2	20.1	67.3	12.5
1997	140.4	76.6	95.0	10,896.5	1.48	35.5	20.0	67.3	12.7
1998	139.1	77.7	85.0	11,043.1	1.34	35.9	19.9	67.3	12.8
1999	137.7	78.8	75.0	11,177.1	1.21	36.2	19.7	67.3	12.9
2000	136.2	79.9	65.0	11,298.4	1.09	36.6	19.5	67.4	13.0
2001	135.2	80.9	55.0	11,407.8	0.97	37.0	19.3	67.5	13.2
2002	134.1	81.9	55.0	11,514.9	0.94	37.4	19.1	67.6	13.3
2003	133.1	82.9	55.0	11,620.2	0.91	37.8	18.9	67.7	13.4
2004	132.4	83.9	55.0	11,723.6	0.89	38.2	18.7	67.8	13.6
2005	131.9	84.9	55.0	11,825.5	0.87	38.5	18.4	67.9	13.7
2006	131.5	86.0	55.0	11,926.0	0.85	38.8	18.1	68.0	13.9
2007	131.5	86.8	55.0	12,025.6	0.84	39.1	17.8	68.1	14.1
2008	131.6	87.6	55.0	12,124.7	0.82	39.4	17.5	68.2	14.3
2009	132.0	88.3	55.0	12,223.3	0.81	39.7	17.3	68.2	14.6
2010	132.5	89.2	55.0	12,321.6	0.80	40.0	17.0	68.1	14.8
2011	133.2	92.0	55.0	12,417.8	0.78	40.3	16.8	68.1	15.1
2012	134.0	94.8	55.0	12,512.0	0.76	40.6	16.6	67.8	15.6
2013	134.9	97.5	55.0	12,604.4	0.74	40.8	16.5	67.5	16.0
2014	135.9	99.9	55.0	12,695.4	0.72	41.1	16.3	67.3	16.4
2015	136.8	102.3	55.0	12,784.8	0.70	41.3	16.2	67.0	16.7

Source: Statistics Canada and Ministry of Treasury and Economics.

Note: Figures may not add to totals due to rounding.

POPULATION OF ONTARIO BY FIVE-YEAR AGE GROUPS AND SEX, SELECTED YEARS, 1990-2015 (000s)

Scenario 2 (Historical Average Annual Immigration)

Age	1990			1995			2000			2005			2010			2015		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4	356.0	339.1	695.1	377.3	360.7	738.0	363.3	347.3	710.6	345.8	330.6	676.4	342.2	327.1	669.4	350.3	334.9	685.2
5-9	336.4	320.1	656.5	366.6	348.8	715.4	386.9	369.8	756.8	369.6	353.4	723.0	352.4	336.8	689.1	348.8	333.4	682.2
10-14	324.8	309.4	634.2	351.3	334.0	685.4	379.9	361.2	741.2	395.8	378.0	773.8	378.5	361.6	740.1	361.3	345.0	706.3
15-19	346.6	328.4	675.0	344.3	329.0	673.4	368.4	351.2	719.6	391.1	372.6	763.8	407.0	389.5	796.5	389.8	373.1	762.9
20-24	376.6	363.9	740.5	375.2	361.9	737.1	370.1	358.4	728.4	385.8	371.1	756.9	408.7	392.7	801.4	424.7	409.5	834.3
25-29	445.8	445.9	891.7	412.7	400.6	813.3	408.5	395.7	804.2	392.1	380.2	772.3	408.0	393.0	801.0	431.0	414.6	845.6
30-34	426.9	434.3	861.2	475.3	473.2	948.4	441.2	427.0	868.2	426.4	412.0	838.4	410.1	396.6	806.7	426.0	409.4	835.4
35-39	386.1	400.3	786.4	443.5	451.7	895.2	491.6	490.1	981.7	450.6	437.2	887.8	436.0	422.4	858.4	419.9	407.1	827.0
40-44	361.5	367.7	729.2	394.2	410.4	804.6	451.5	461.7	913.1	495.2	495.9	991.1	454.8	443.4	898.2	440.4	428.8	869.2
45-49	284.0	284.0	568.0	364.2	373.1	737.3	396.9	415.5	812.5	451.6	464.2	915.8	495.7	498.9	994.6	455.8	446.8	902.7
50-54	238.7	240.7	479.4	283.1	288.7	571.8	362.6	376.4	739.0	393.9	416.3	810.2	449.2	465.4	914.6	493.4	500.4	993.8
55-59	226.2	229.7	455.9	235.9	245.8	481.8	279.3	292.2	571.5	356.0	376.2	732.2	388.3	416.4	804.7	443.4	465.4	908.7
60-64	211.5	226.7	438.2	219.8	233.5	453.3	229.2	249.0	478.1	269.6	292.2	561.7	344.3	375.8	720.1	376.2	416.2	792.4
65-69	180.4	217.1	397.5	196.4	223.0	419.4	204.7	230.1	434.8	212.9	243.8	456.7	251.8	287.0	538.8	321.9	369.1	691.0
70-74	122.7	160.1	282.8	157.9	204.6	362.5	173.7	211.0	384.7	182.2	217.5	399.7	192.2	231.9	424.2	228.6	273.7	502.3
75-79	89.0	128.6	217.6	97.1	143.4	240.5	126.9	184.5	311.3	141.2	191.6	332.8	150.4	200.1	350.5	160.3	214.7	375.0
80-84	47.8	85.3	133.1	60.6	106.2	166.8	66.9	121.4	188.3	87.9	158.7	246.6	99.5	169.2	268.7	106.7	178.9	285.6
85-89	21.0	47.6	68.6	24.9	59.6	84.5	32.5	78.3	110.8	36.5	93.4	129.9	48.9	127.8	176.6	56.0	139.4	195.4
90+	7.4	25.0	32.4	7.7	28.3	36.0	8.7	34.9	43.6	10.8	45.7	56.4	12.0	56.1	68.1	15.3	74.8	90.1
TOTAL	4,789.4	4,953.9	9,743.3	5,188.0	5,376.5	10,564.6	5,542.8	5,755.7	11,298.4	5,795.1	6,030.4	11,825.5	6,030.0	6,291.7	12,321.6	6,249.8	6,535.1	12,784.8

Source: Statistics Canada and Ministry of Treasury and Economics.

Note: Figures may not add to totals due to rounding.

ONTARIO POPULATION AND SELECTED CHARACTERISTICS, 1990-2015**Scenario 3 (Immigration constant at 125,000)****(000s)**

Year	Births	Deaths	Net External Migration	Total Population	Annual Increase (%)	Median Age (Years)	Age Group		
							0-14 %	15-64 %	65+ %
1990				9,743.3		33.3	20.4	68.0	11.6
1991	145.5	71.6	74.0	9,890.9	1.51	33.6	20.4	67.8	11.8
1992	144.8	72.3	86.0	10,049.5	1.60	33.9	20.4	67.7	12.0
1993	144.1	72.9	97.0	10,217.7	1.67	34.2	20.4	67.5	12.1
1994	143.3	73.7	102.0	10,389.4	1.68	34.5	20.3	67.4	12.2
1995	142.4	74.4	107.0	10,564.6	1.69	34.9	20.2	67.4	12.4
1996	141.4	75.5	107.0	10,737.6	1.64	35.2	20.1	67.3	12.5
1997	140.4	76.6	103.0	10,904.6	1.55	35.5	20.0	67.3	12.7
1998	139.3	77.7	103.0	11,069.3	1.51	35.8	19.9	67.3	12.8
1999	138.3	78.9	103.0	11,232.0	1.47	36.2	19.7	67.4	12.9
2000	137.5	80.1	103.0	11,392.5	1.43	36.5	19.5	67.5	13.0
2001	137.3	81.2	103.0	11,551.8	1.40	36.9	19.3	67.6	13.1
2002	137.3	82.4	103.0	11,709.9	1.37	37.2	19.1	67.7	13.2
2003	137.5	83.5	103.0	11,867.0	1.34	37.5	18.9	67.8	13.3
2004	137.8	84.7	103.0	12,023.2	1.32	37.8	18.7	67.9	13.4
2005	138.4	85.9	103.0	12,178.8	1.29	38.0	18.4	68.1	13.5
2006	139.2	87.1	103.0	12,334.0	1.27	38.3	18.1	68.2	13.7
2007	140.1	88.2	103.0	12,489.1	1.26	38.5	17.9	68.3	13.8
2008	141.2	89.1	103.0	12,644.3	1.24	38.8	17.6	68.3	14.1
2009	142.5	90.0	103.0	12,800.0	1.23	39.0	17.4	68.3	14.3
2010	144.0	91.1	103.0	12,956.0	1.22	39.3	17.2	68.3	14.5
2011	145.5	94.1	103.0	13,110.6	1.19	39.5	17.1	68.2	14.7
2012	147.1	97.2	103.0	13,263.6	1.17	39.7	16.9	67.9	15.2
2013	148.7	100.1	103.0	13,415.3	1.14	39.9	16.8	67.7	15.5
2014	150.3	102.7	103.0	13,566.0	1.12	40.1	16.7	67.4	15.9
2015	151.8	105.4	103.0	13,715.6	1.10	40.2	16.6	67.2	16.2

Source: Statistics Canada and Ministry of Treasury and Economics.

Note: Figures may not add to totals due to rounding.

POPULATION OF ONTARIO BY FIVE-YEAR AGE GROUPS AND SEX, SELECTED YEARS, 1990-2015 (000s)

Scenario 3 (Immigration constant at 125,000)

Age	1990			1995			2000			2005			2010			2015		
	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
0-4	356.0	339.1	695.1	377.3	360.7	738.0	366.8	350.7	717.5	362.6	346.8	709.4	372.3	356.1	728.4	390.9	373.8	764.8
5-9	336.4	320.1	656.5	366.6	348.8	715.4	389.1	371.8	760.9	378.6	361.8	740.4	374.6	357.9	732.6	384.4	367.3	751.7
10-14	324.8	309.4	634.2	351.3	334.0	685.4	382.7	363.9	746.6	405.2	386.7	791.9	394.7	376.7	771.5	390.7	372.9	763.7
15-19	346.6	328.4	675.0	344.3	329.0	673.4	372.6	355.4	728.0	403.9	385.1	788.9	426.3	408.0	834.3	415.9	398.0	814.0
20-24	376.6	363.9	740.5	375.2	361.9	737.1	376.7	365.8	742.4	405.0	392.0	797.0	436.5	421.8	858.2	459.1	444.7	903.7
25-29	445.8	445.9	891.7	412.7	400.6	813.3	416.3	403.1	819.4	417.8	406.8	824.6	446.3	433.1	879.4	477.8	462.9	940.7
30-34	426.9	434.3	861.2	475.3	473.2	948.4	446.8	432.2	879.0	450.3	434.5	884.8	451.8	438.3	890.1	480.2	464.6	944.8
35-39	386.1	400.3	786.4	443.5	451.7	895.2	494.6	493.3	988.0	466.2	452.3	918.6	469.8	454.9	924.6	471.4	458.8	930.2
40-44	361.5	367.7	729.2	394.2	410.4	804.6	453.0	463.5	916.5	503.9	505.2	1,009.1	475.9	464.6	940.5	479.6	467.3	946.9
45-49	284.0	284.0	568.0	364.2	373.1	737.3	398.0	417.2	815.2	456.8	470.5	927.2	507.9	512.7	1,020.6	480.4	472.5	952.9
50-54	238.7	240.7	479.4	283.1	288.7	571.8	363.6	378.4	742.0	397.9	422.7	820.6	457.2	476.4	933.6	508.4	518.8	1,027.2
55-59	226.2	229.7	455.9	235.9	245.8	481.8	280.6	294.4	575.0	360.2	383.4	743.5	395.4	428.0	823.4	454.4	481.6	935.9
60-64	211.5	226.7	438.2	219.8	233.5	453.3	230.8	251.2	481.9	274.5	299.7	574.2	352.0	388.3	740.3	386.7	432.9	819.7
65-69	180.4	217.1	397.5	196.4	223.0	419.4	205.8	231.6	437.5	217.4	250.0	467.3	259.4	298.4	557.8	332.1	385.2	717.3
70-74	122.7	160.1	282.8	157.9	204.6	362.5	174.4	212.0	386.4	185.1	221.6	406.7	198.1	240.5	438.6	237.4	287.1	524.5
75-79	89.0	128.6	217.6	97.1	143.4	240.5	127.2	185.1	312.3	142.8	194.2	337.0	153.8	205.5	359.3	166.2	224.2	390.5
80-84	47.8	85.3	133.1	60.6	106.2	166.8	67.2	122.1	189.3	89.0	160.7	249.7	101.5	173.0	274.4	110.0	185.2	295.2
85-89	21.0	47.6	68.6	24.9	59.6	84.5	32.5	78.5	111.0	36.9	94.5	131.4	49.7	129.9	179.7	57.3	143.1	200.4
90+	7.4	25.0	32.4	7.7	28.3	36.0	8.7	34.9	43.6	10.8	45.8	56.6	12.1	56.7	68.8	15.6	76.1	91.7
TOTAL	4,789.4	4,953.9	9,743.3	5,188.0	5,376.5	10,564.6	5,587.6	5,804.9	11,392.5	5,964.8	6,214.0	12,178.8	6,335.3	6,620.7	12,956.0	6,698.6	7,017.0	13,715.6

Source: Statistics Canada and Ministry of Treasury and Economics.

Note: Figures may not add to totals due to rounding.

REFERENCE AND ALTERNATIVE MIGRATION ASSUMPTIONS, 1990-91 TO 2014-15
(000s)

Immigration			Emigration			Net International Migration			Interprovincial Migration			Net External Migration		
Scenario 2	Refer- ence	Scenario 3	Scenario 2	Refer- ence	Scenario 3	Scenario 2	Refer- ence	Scenario 3	In	Out	Net	Scenario 2	Refer- ence	Scenario 3
1990-91	110	110	28	28	28	82	82	82	89	97	-8	74	74	74
1991-92	118	118	28	28	28	90	90	90	87	91	-4	86	86	86
1992-93	125	125	28	28	28	97	97	97	85	85	0	97	97	97
1993-94	125	125	28	28	28	97	97	97	85	80	5	102	102	102
1994-95	125	125	28	28	28	97	97	97	85	75	10	107	107	107
1995-96	125	125	28	28	28	97	97	97	85	75	10	107	107	107
1996-97	110	115	25	27	32	85	88	93	85	75	10	95	98	103
1997-98	100	108	25	27	32	75	81	93	85	75	10	85	91	103
1998-99	90	100	25	27	32	65	73	93	85	75	10	75	83	103
1999-00	80	93	25	26	32	55	67	93	85	75	10	65	77	103
2000-01	70	85	25	26	32	45	59	93	85	75	10	55	69	103
2001-02	70	86	25	26	32	45	60	93	85	75	10	55	70	103
2002-03	70	87	25	27	32	45	60	93	85	75	10	55	70	103
2003-04	70	88	25	27	32	45	61	93	85	75	10	55	71	103
2004-05	70	89	25	28	32	45	61	93	85	75	10	55	71	103
2005-06	70	90	25	28	32	45	62	93	85	75	10	55	72	103
2006-07	70	91	25	29	32	45	62	93	85	75	10	55	72	103
2007-08	70	92	25	29	32	45	63	93	85	75	10	55	73	103
2008-09	70	93	25	29	32	45	64	93	85	75	10	55	74	103
2009-10	70	94	25	30	32	45	64	93	85	75	10	55	74	103
2010-11	70	95	25	30	32	45	65	93	85	75	10	55	75	103
2011-12	70	96	25	30	32	45	66	93	85	75	10	55	76	103
2012-13	70	97	25	31	32	45	66	93	85	75	10	55	76	103
2013-14	70	98	25	31	32	45	67	93	85	75	10	55	77	103
2014-15	70	99	25	31	32	45	68	93	85	75	10	55	78	103

Source: Ministry of Treasury and Economics.

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Ontario population

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